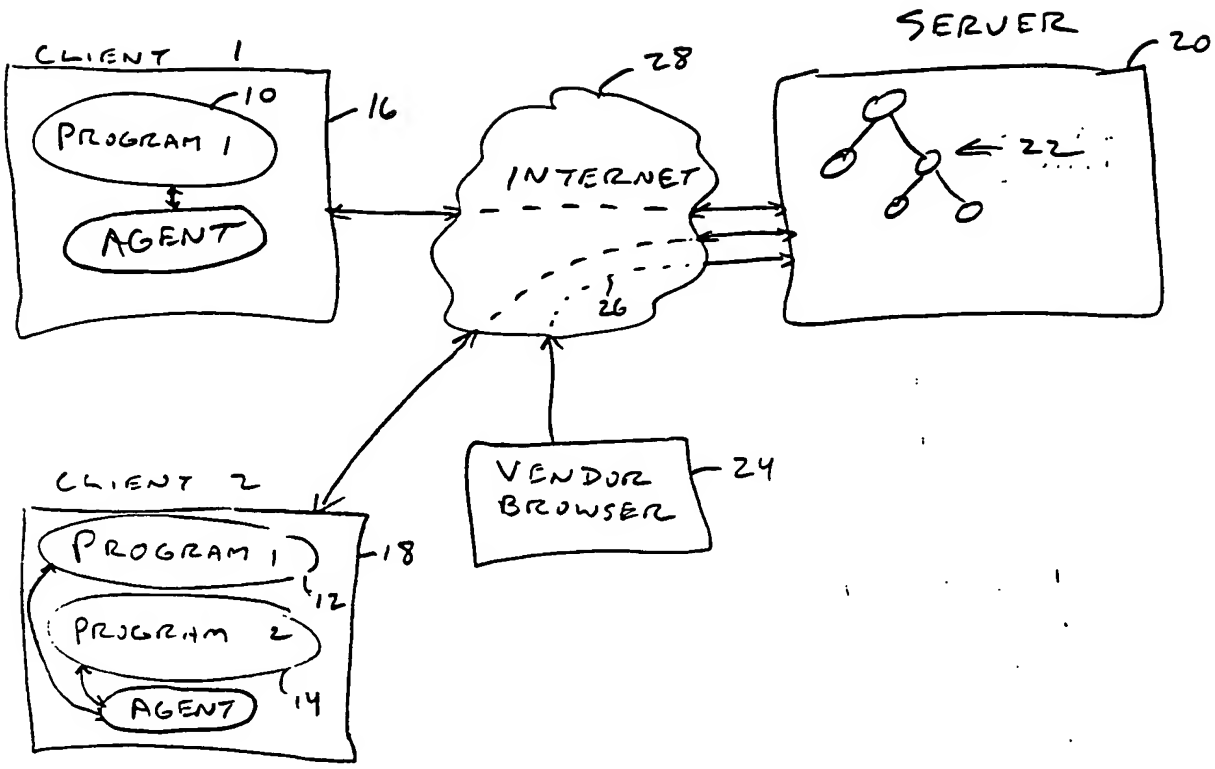


FIG. 1

7004255v1 - 30/04/04

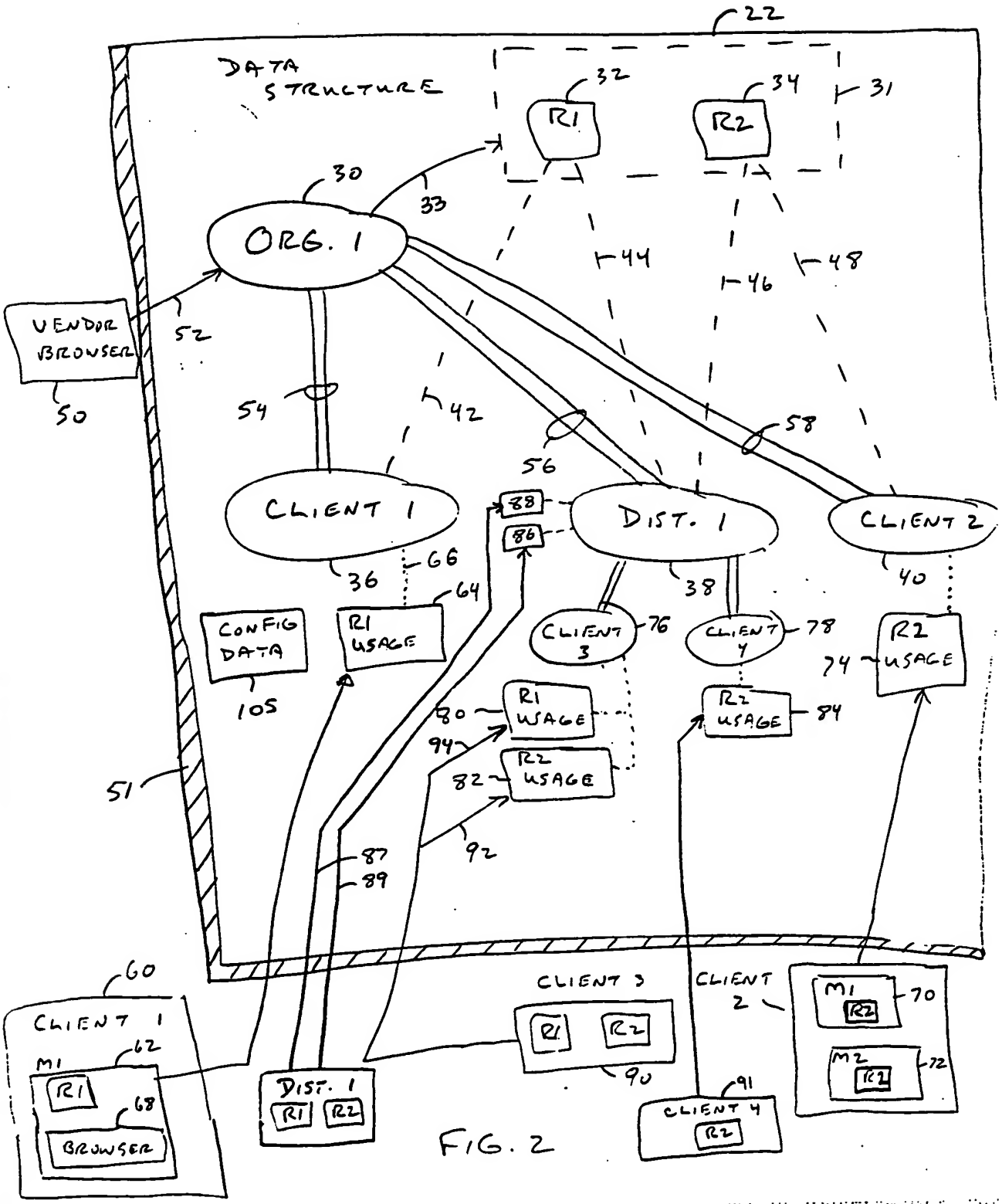

22
DATA STRUCTURE
32
R1
34
R2
31
30
ORG. 1
33
44
46
48
VENDOR BROWSER
52
50
54
42
56
58
CLIENT 1
88
86
DIST. 1
CLIENT 2
66
36
38
40
64
CONFIG DATA
R1 USAGE
CLIENT 3
76
CLIENT 4
78
R2 USAGE
74
105
80
R1 USAGE
94
82
R2 USAGE
84
51
87
89
92
60
CLIENT 1
M1
62
R1
68
BROWSER
DIST. 1
R1
R2
CLIENT 3
R1
R2
90
CLIENT 2
91
CLIENT 4
R2
M1
R2
70
M2
R2
72

FIG. 2

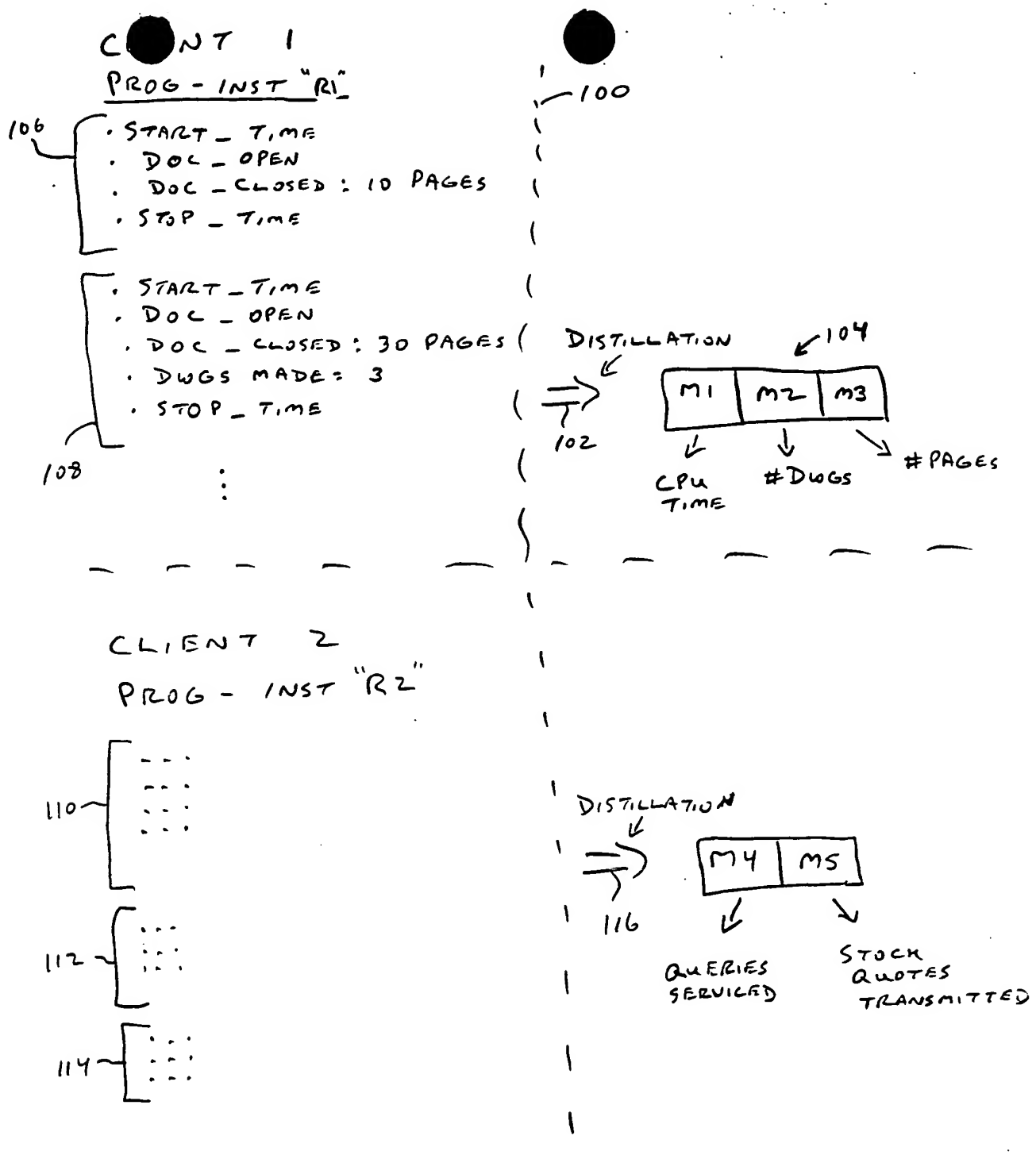


FIG. 3

EXHIBIT 1004

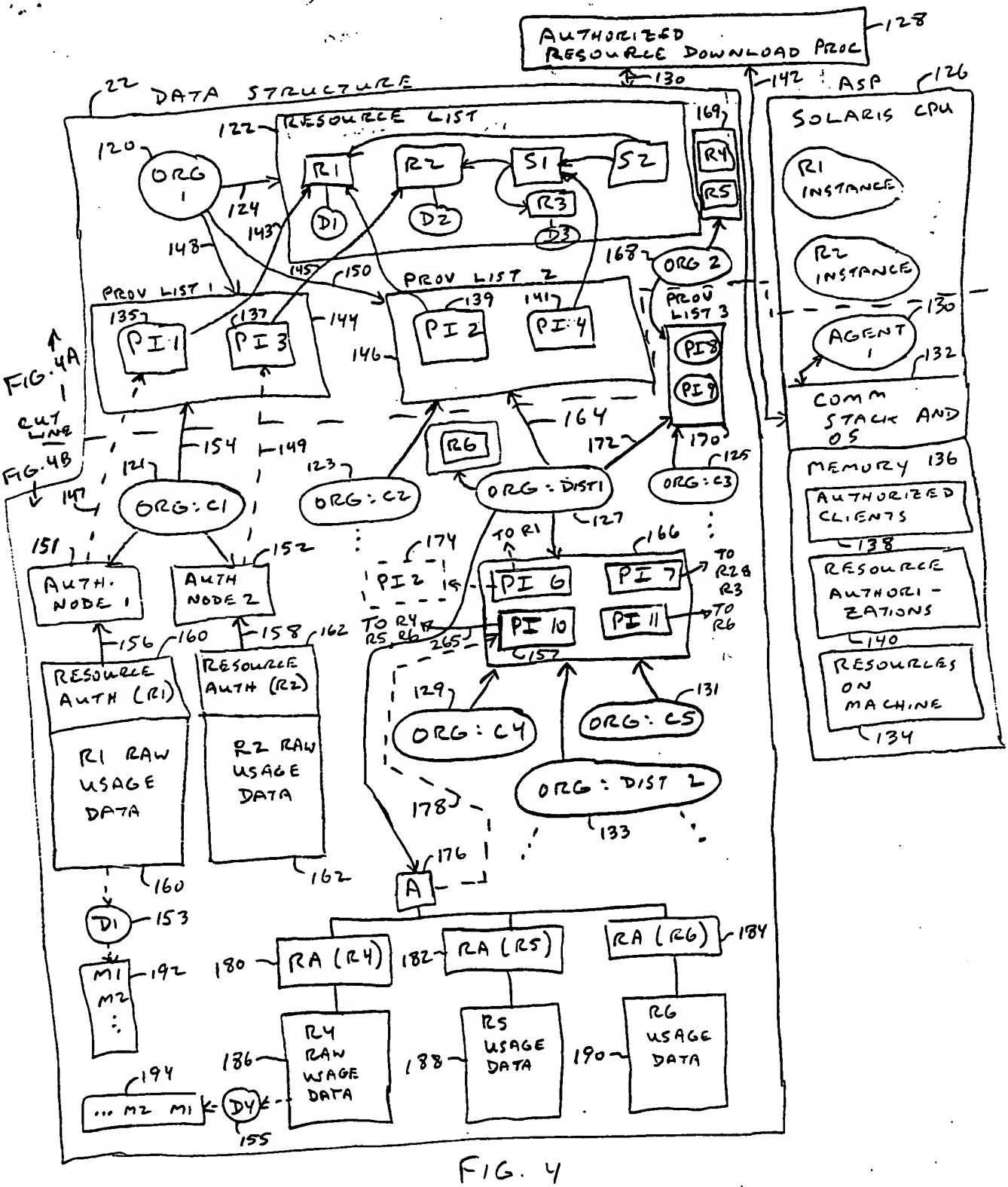

AUTHORIZED RESOURCE DOWNLOAD PROC
128
130
142
ASP
126
SOLARIS CPU
22
DATA STRUCTURE
RESOURCE LIST
122
169
120
ORG 1
R1
R2
S1
S2
R4
R5
R3
D1
D2
D3
124
143
148
145
150
168
ORG 2
PROV LIST 1
PROV LIST 2
PROV LIST 3
135
137
144
139
141
PI 1
PI 3
PI 2
PI 4
146
PI 8
PI 9
R1 INSTANCE
R2 INSTANCE
AGENT 1
130
132
COMM STACK AND OS
MEMORY 136
AUTHORIZED CLIENTS
138
RESOURCE AUTHORIZATIONS
140
RESOURCES ON MACHINE
134
FIG. 4A
CUT LINE
FIG. 4B
154
149
164
R6
172
170
125
121
123
ORG : C1
ORG : C2
ORG : DIST1
ORG : C3
147
127
TO R1
151
152
174
166
AUTH. NODE 1
AUTH NODE 2
PI 2
PI 6
PI 7
TO R2 & R3
TO R4 R5 R6
PI 10
PI 11
TO R6
265
157
156
160
158
162
RESOURCE AUTH (R1)
RESOURCE AUTH (R2)
R1 RAW USAGE DATA
R2 RAW USAGE DATA
129
131
ORG : C4
ORG : C5
ORG : DIST 2
178
133
176
A
D1
153
M1
M2
192
180
RA (R4)
182
RA (R5)
RA (R6)
184
R4 RAW USAGE DATA
R5 USAGE DATA
R6 USAGE DATA
186
188
190
194
... M2 M1
D4
155

FIG. 4

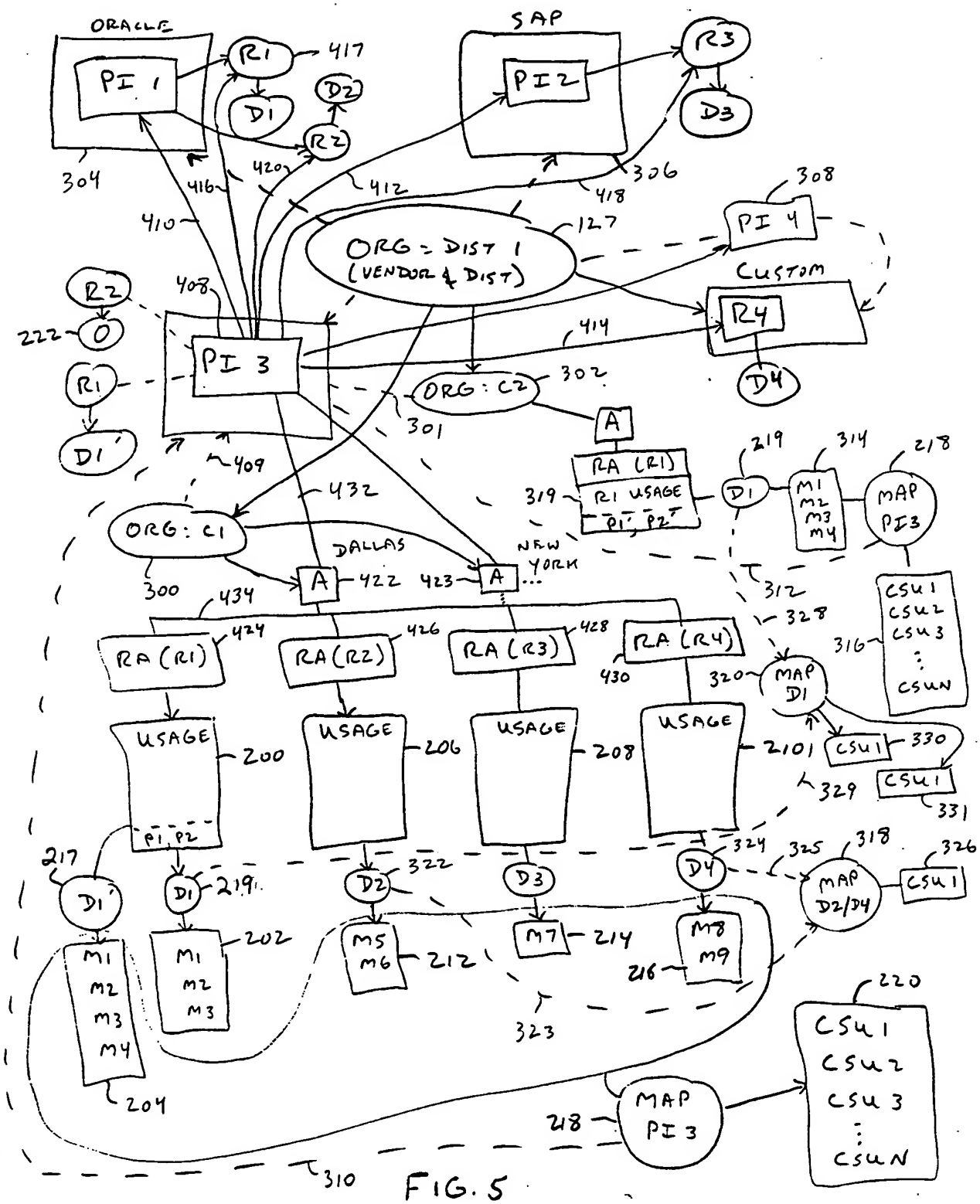

ORACLE
PI 1
R1
D1
D2
R2
417
304
416
420
412
410
SAP
PI 2
R3
D3
306
418
308
PI 4
127
ORG = DIST 1
(VENDOR & DIST)
CUSTOM
R4
D4
R2
408
222
O
PI 3
414
R1
D1
ORG : C2
302
A
301
409
RA (R1)
R1 USAGE
P1, P2
319
219
D1
314
M1
M2
M3
M4
218
MAP
PI3
432
ORG : C1
DALLAS
NEW YORK
300
A
422
423
A
312
328
434
RA (R1)
424
RA (R2)
426
RA (R3)
428
RA (R4)
430
320
MAP
D1
316
CSU1
CSU2
CSU3
CSUN
USAGE
200
USAGE
206
USAGE
208
USAGE
210
CSU1
330
329
CSU1
331
P1 P2
217
D1
D1
219
D2
322
D3
D4
324
325
318
MAP
D2/D4
CSU1
326
M1
M2
M3
M4
204
M1
M2
M3
202
M5
M6
212
M7
214
M8
M9
216
323
220
CSU1
CSU2
CSU3
CSUN
MAP
PI3
218
310

FIG. 5

OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA BY A PROGRAMMABLE MAPPING

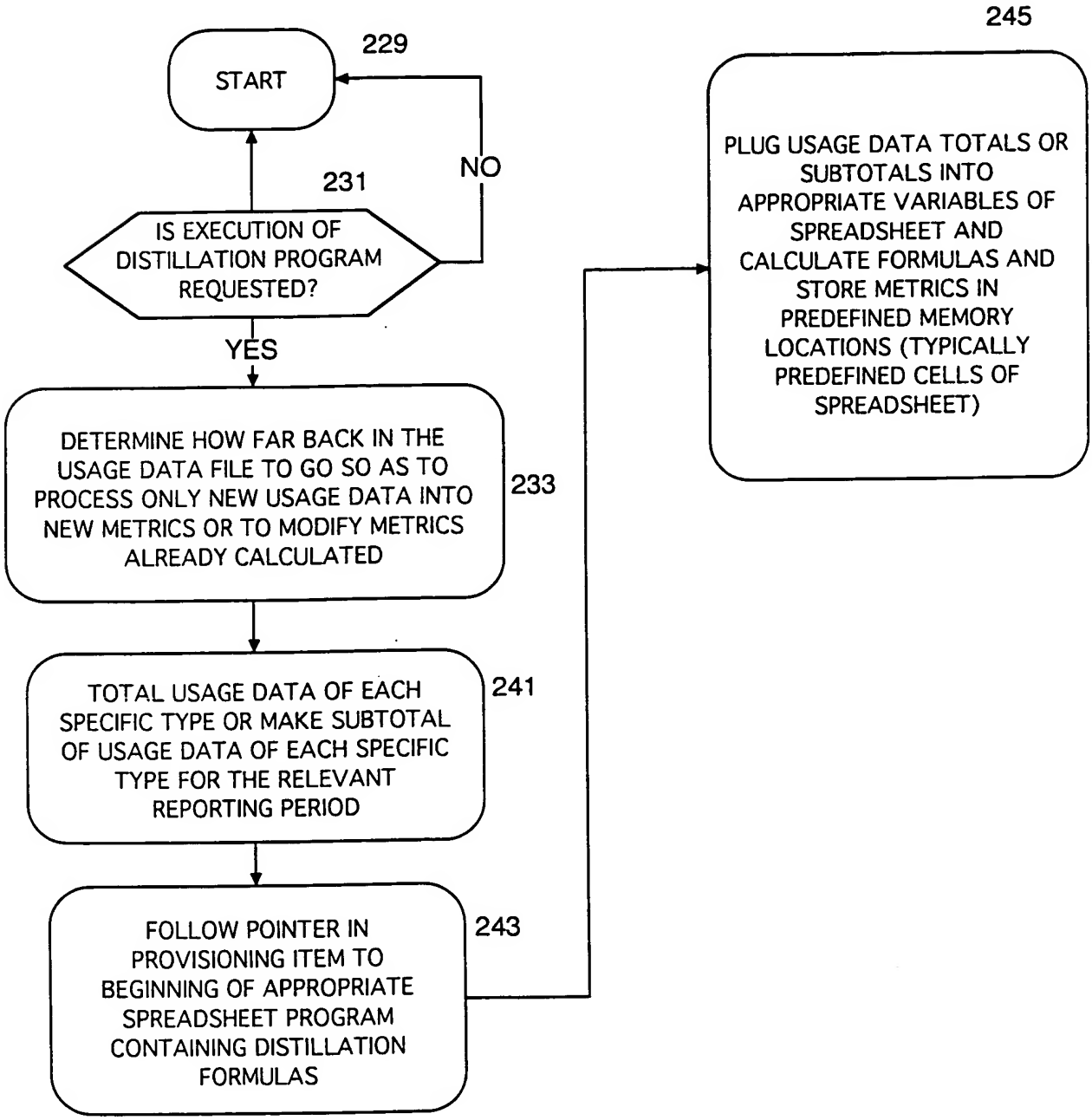


FIG. 6A

OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA
BY A PROGRAMMABLE MAPPING USING A PROGRAMMABLE DISTILLATION PGM

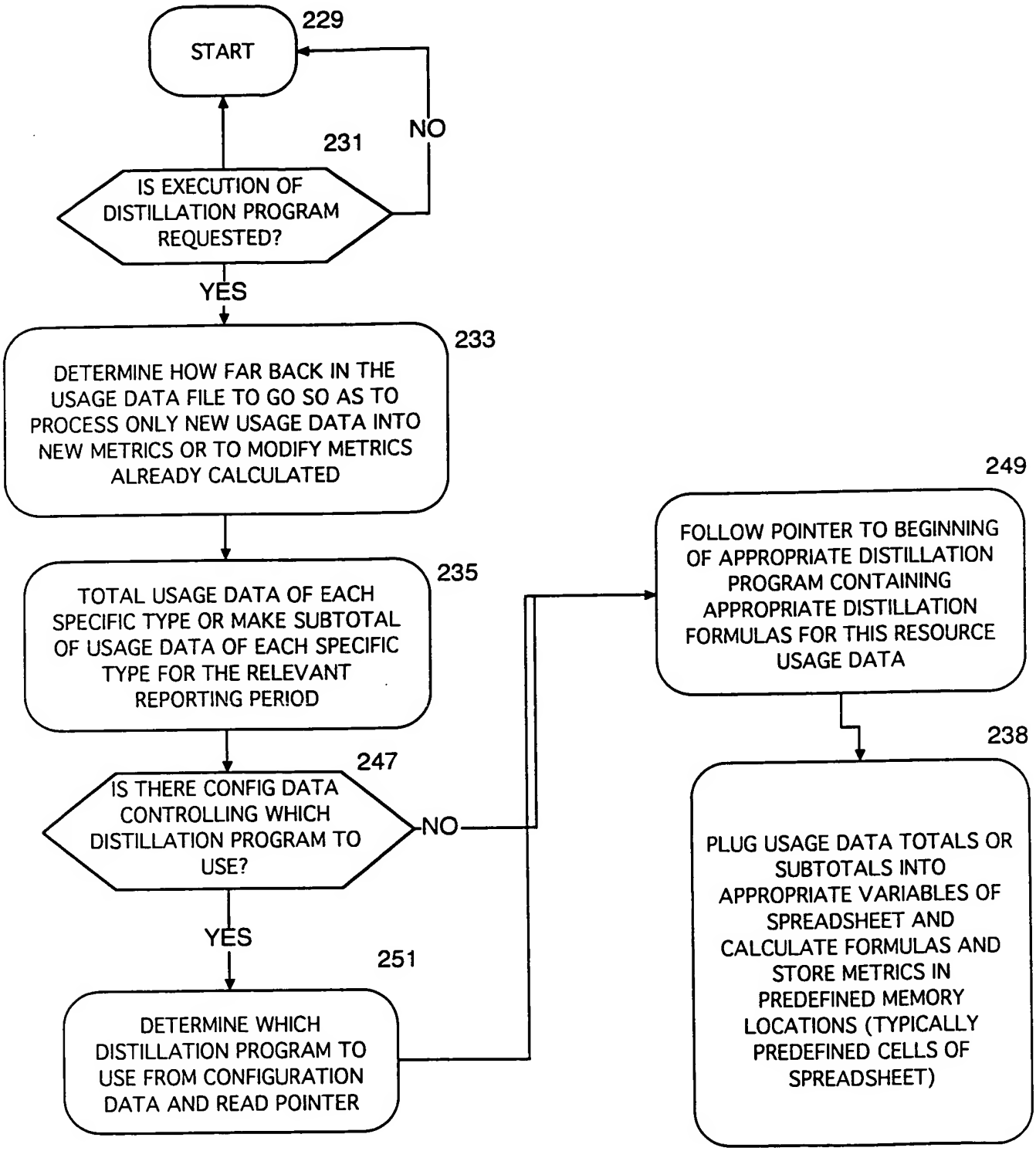


FIG. 6B

Patent - 5,655,074

PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS OF THE CUSTOMER'S DESIGN

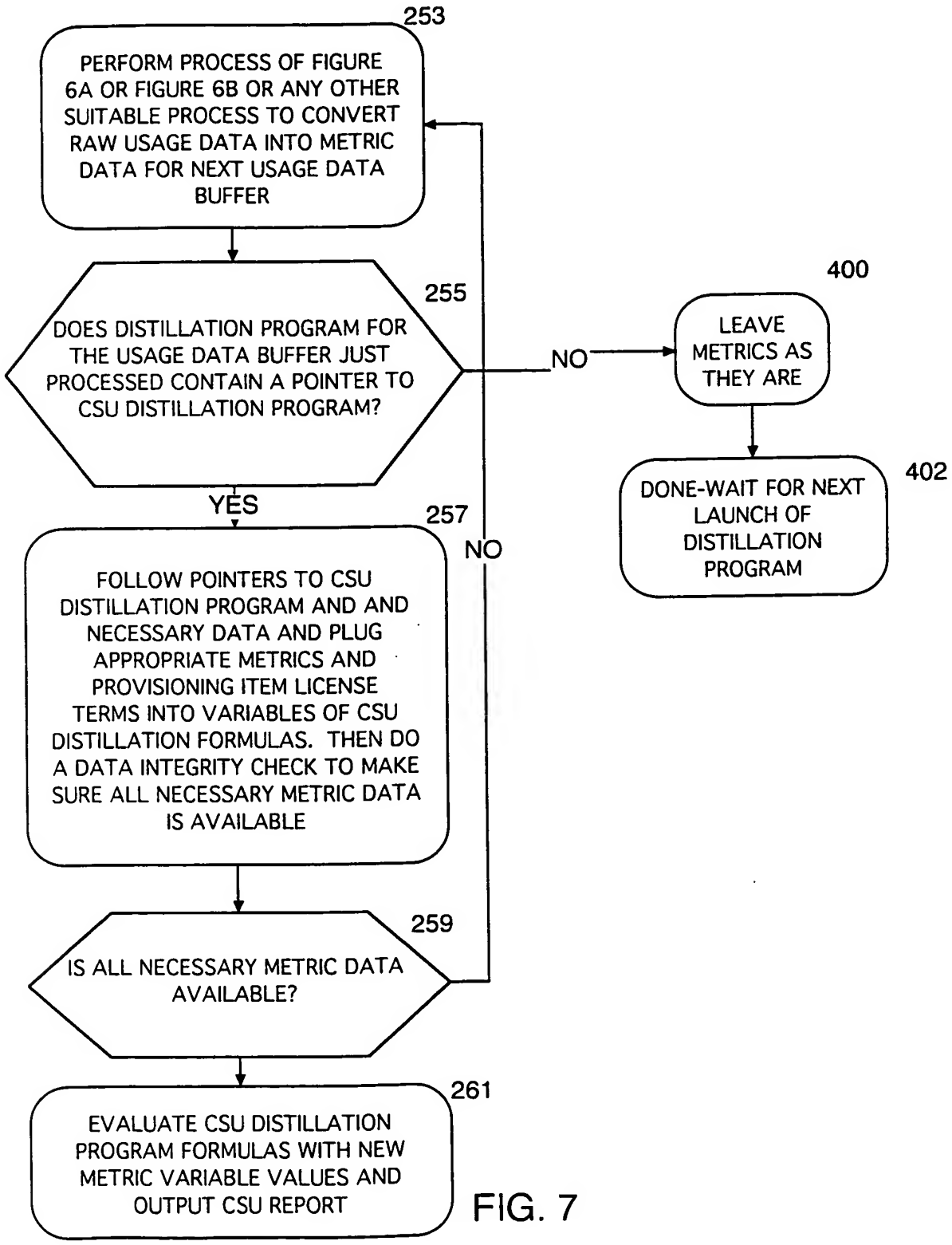


FIG. 7

Patent Application Publication

OVERALL PROCESS TO COLLECT RAW USAGE DATA IN A CENTRAL SERVER AND USE IT TO PREPARE METRICS AND PREPARE INVOICES OR REPORTS THEREFROM

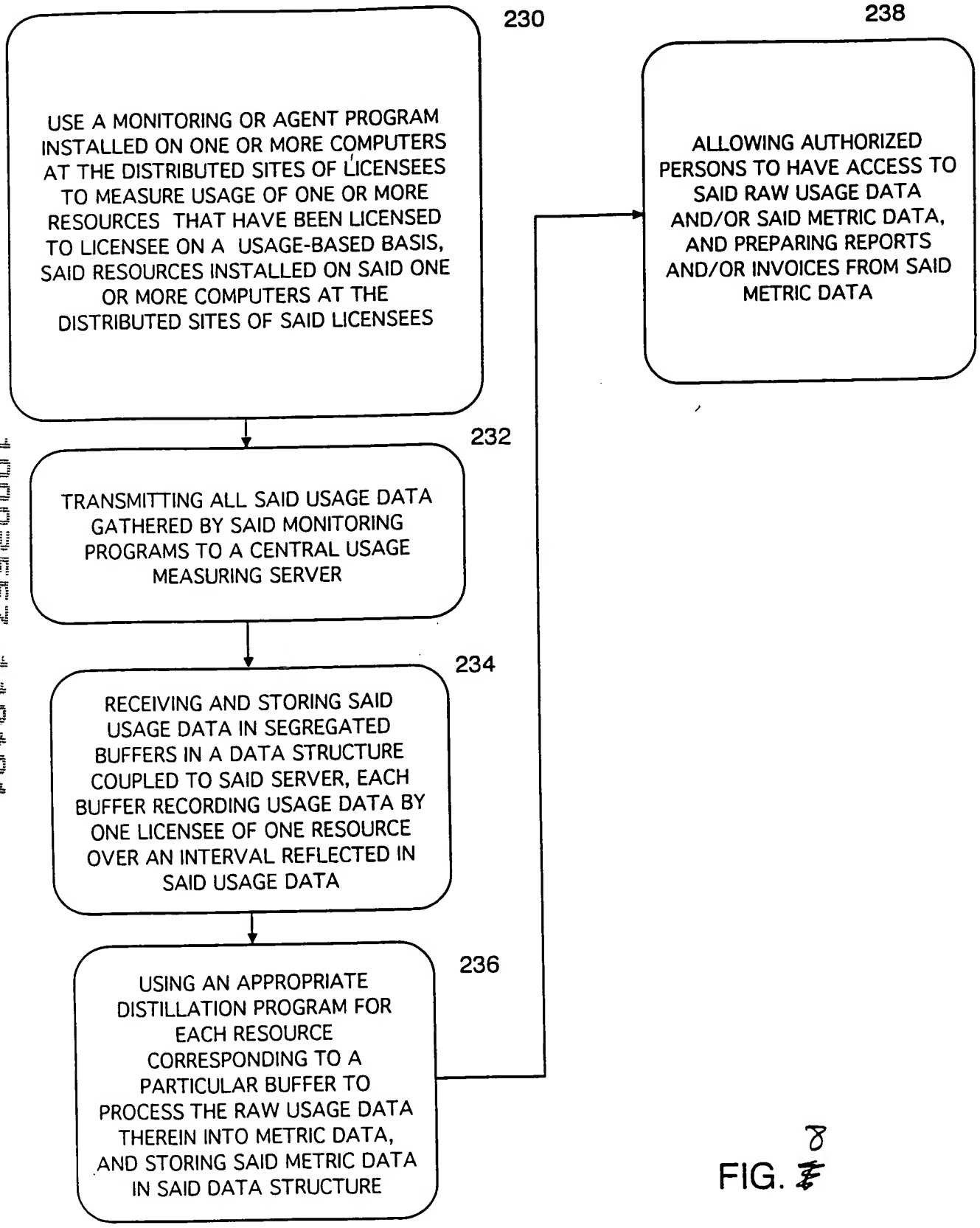


FIG. 8

PROCESS TO BUILD USAGE MEASURING SERVER DATA STRUCTURE AND ALLOW RESTRICTED ACCESS THERETO

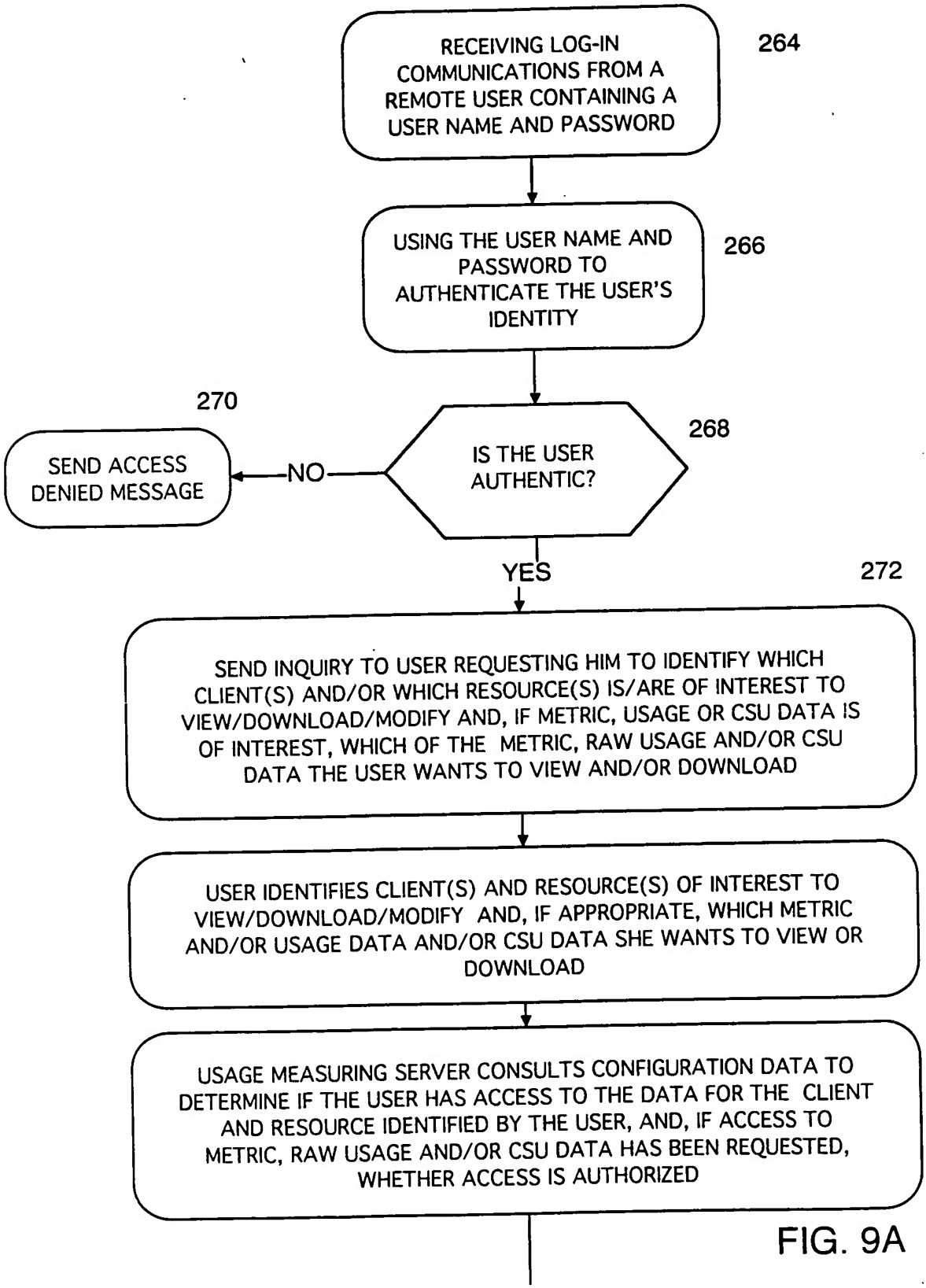


FIG. 9A

4000255 - 4/4/04

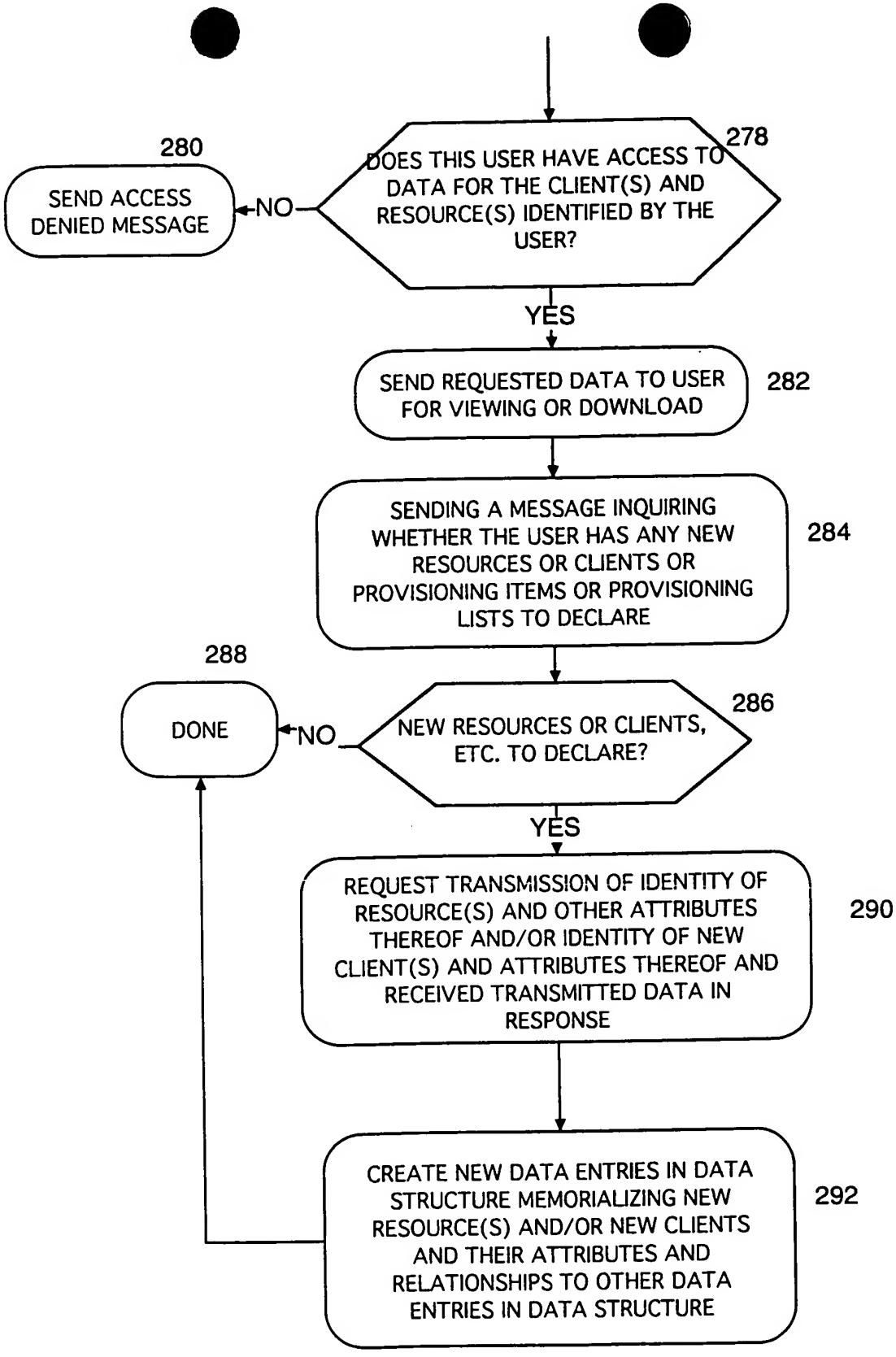


FIG. 9B

Patent Application Publication

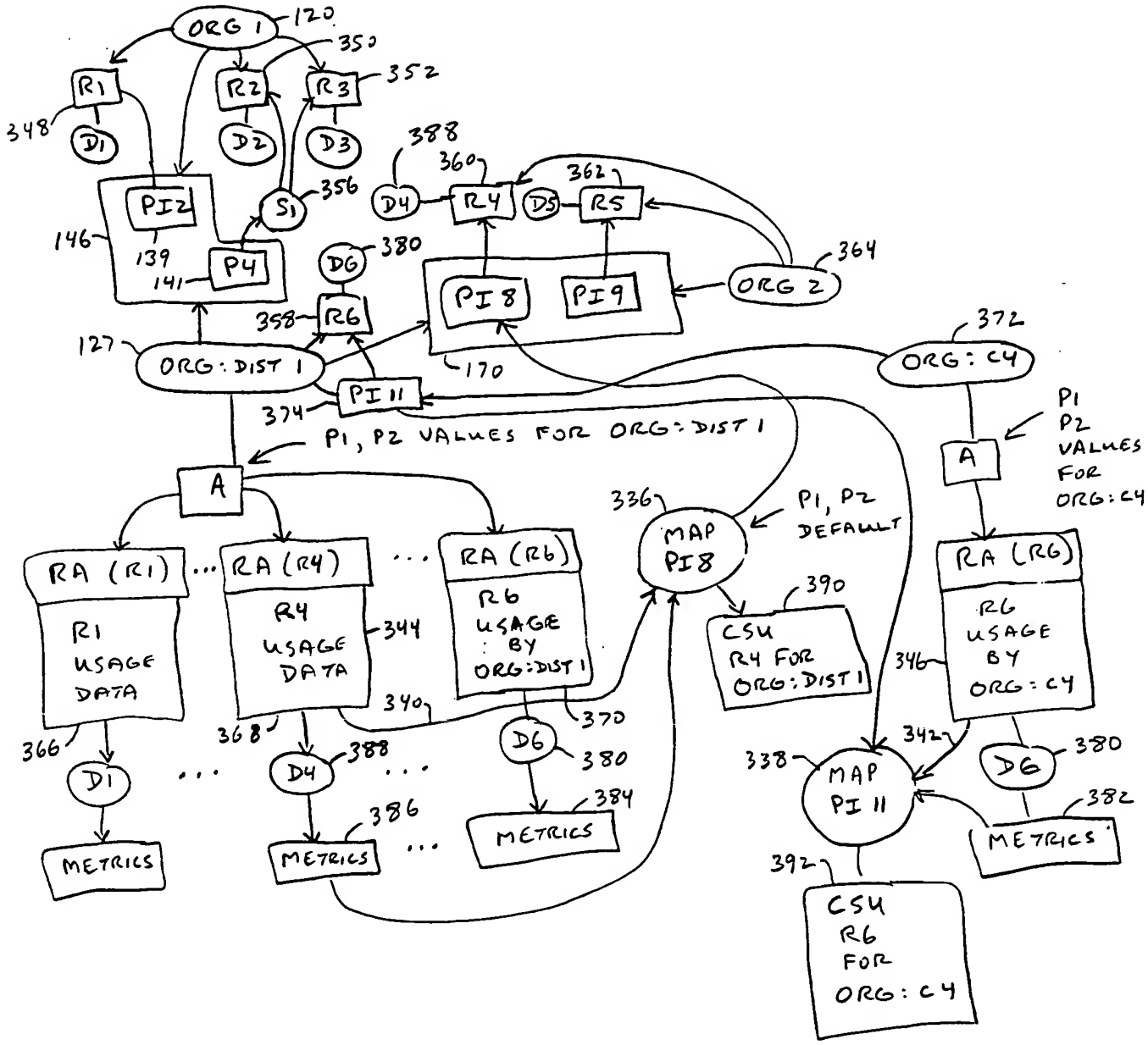

ORG 1
120
350
352
R1
R2
R3
348
D1
D2
D3
388
360
362
D4
R4
D5
R5
PI2
S1
356
146
139
141
P4
DG
380
364
PI 8
PI 9
ORG 2
358
R6
372
127
ORG : DIST 1
ORG : C4
170
PI 11
374
P1, P2 VALUES FOR ORG : DIST 1
P1
P2
VALUES
FOR
ORG : C4
A
A
336
MAP
PI 8
P1, P2
DEFAULT
RA (R1)
RA (R4)
RA (R6)
RA (RG)
R1
USAGE
DATA
R4
USAGE
DATA
344
R6
USAGE
BY
ORG : DIST 1
390
CSH
R4 FOR
ORG : DIST 1
346
RG
USAGE
BY
ORG : C4
340
370
366
368
D1
D4
388
D6
380
342
338
MAP
PI 11
D6
380
382
METRICS
386
384
METRICS
METRICS
METRICS
392
CSH
R6
FOR
ORG : C4

FIG. 10

ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO PROVISIONING ITEM DETAILING LICENSE TERMS

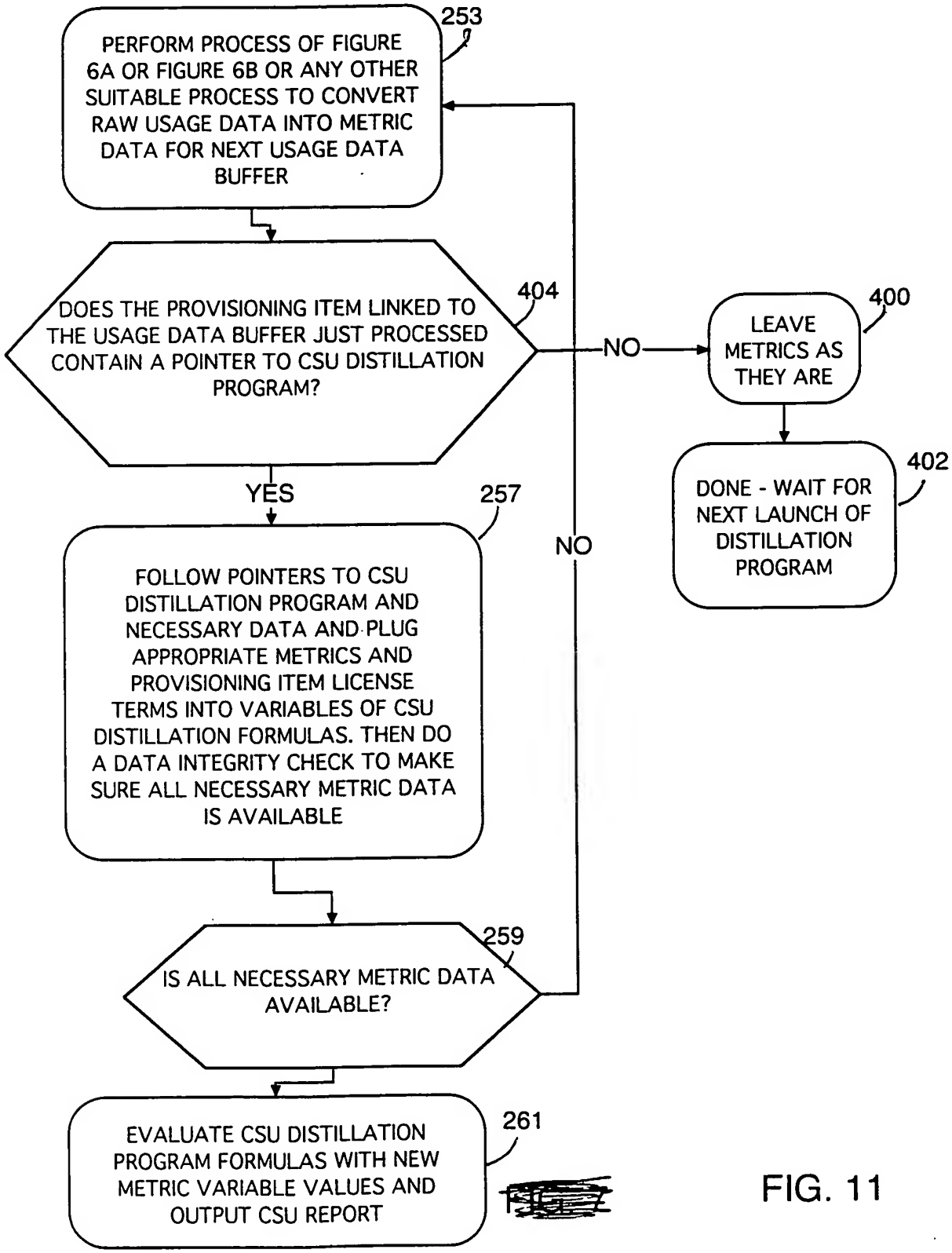


FIG. 11

Microsoft Corporation - 4008255.1

ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO THE USAGE DATA BUFFER OF EACH CLIENT THAT WANTS CSU BASED REPORTS

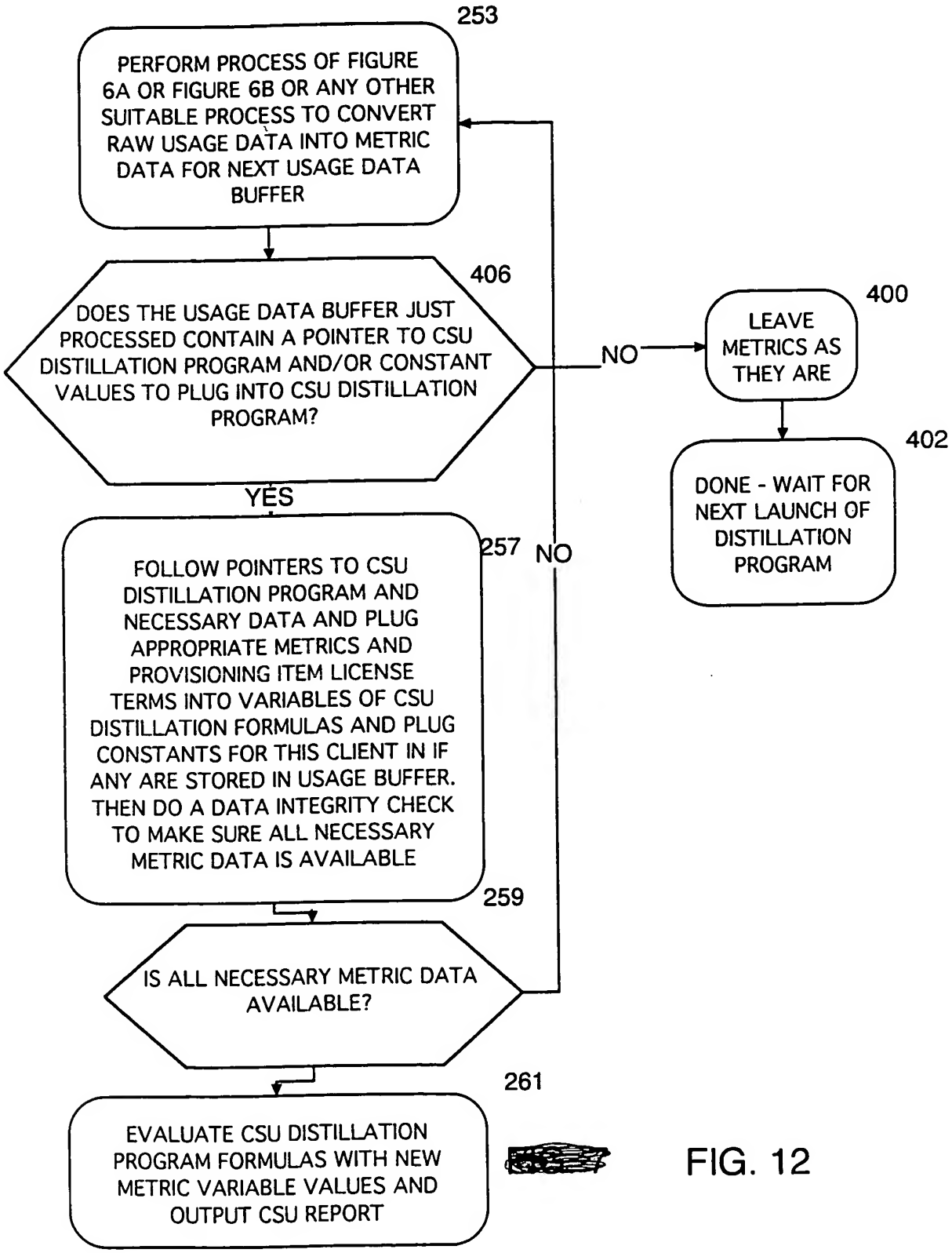


FIG. 12

Patent - 5,557,748

PROCESS TO CREATE DATA STRUCTURE TO SUPPORT SUITE LICENSING AND TO USE THE DATA STRUCTURE TO IMPLEMENT SUITE LICENSING

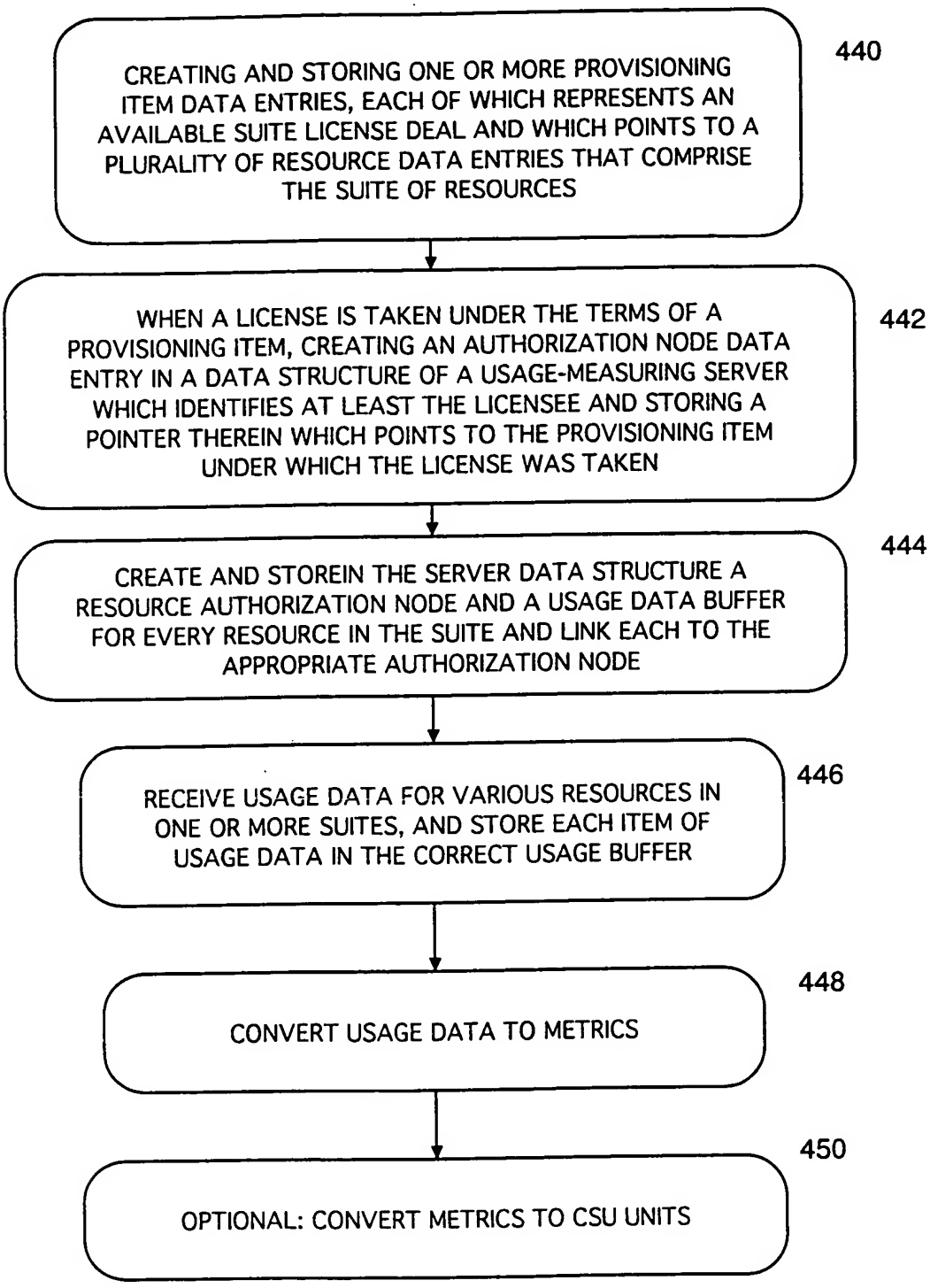


FIG. 13

Patent - 5,925,105

ONE STOP SHOPPING PROCESS TO DETERMINE ALL AVAILABLE LICENSE DEALS ON A PARTICULAR RESOURCE

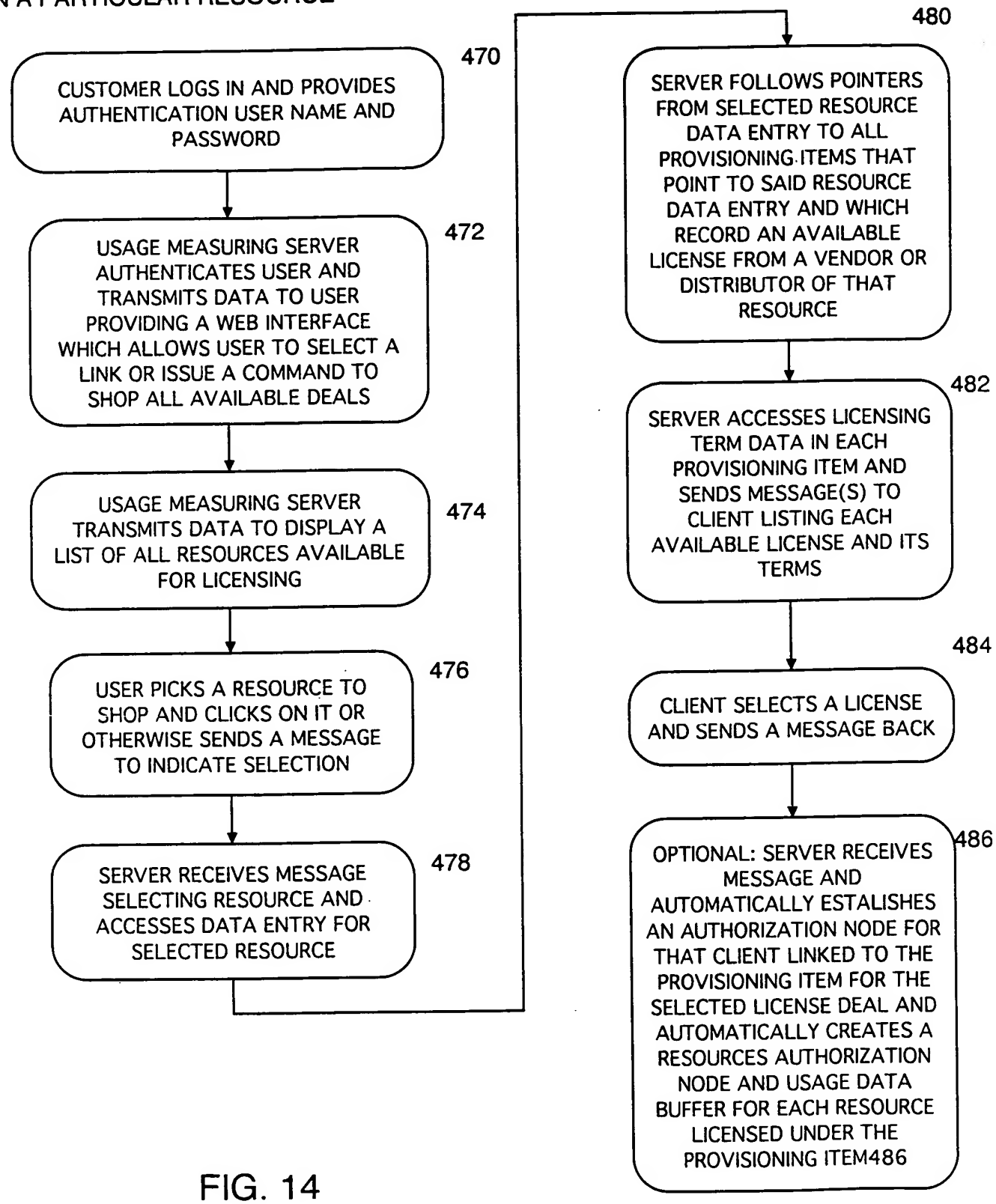


FIG. 14

Patent - 5,765,144

TOP SECRET // SCI // NOFORN

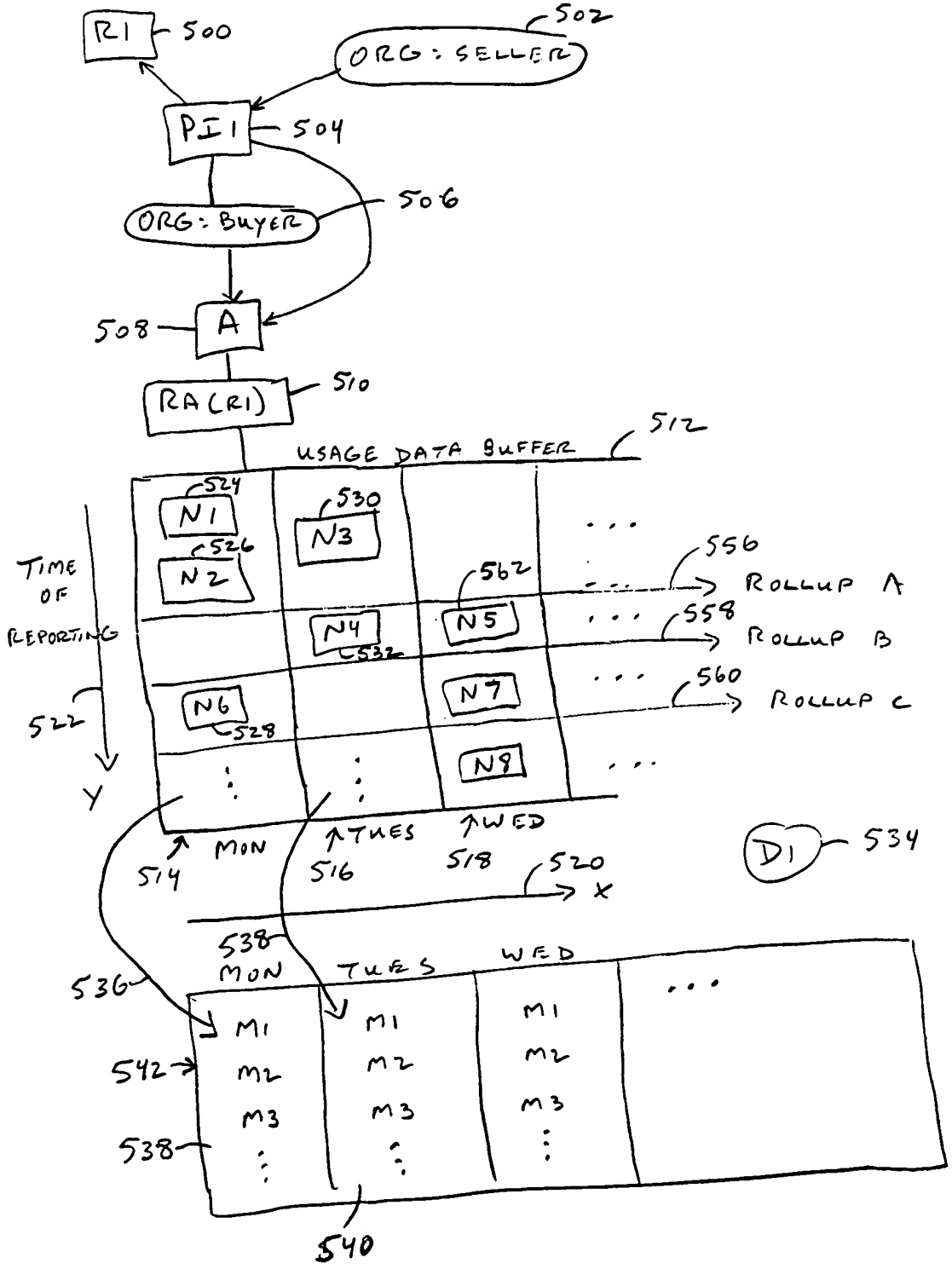


FIG. 15

PROCESS TO COLLECT USAGE DATA, PARTITION IT INTO TIME SEGMENTS AND GENERATE METRICS THEREFROM

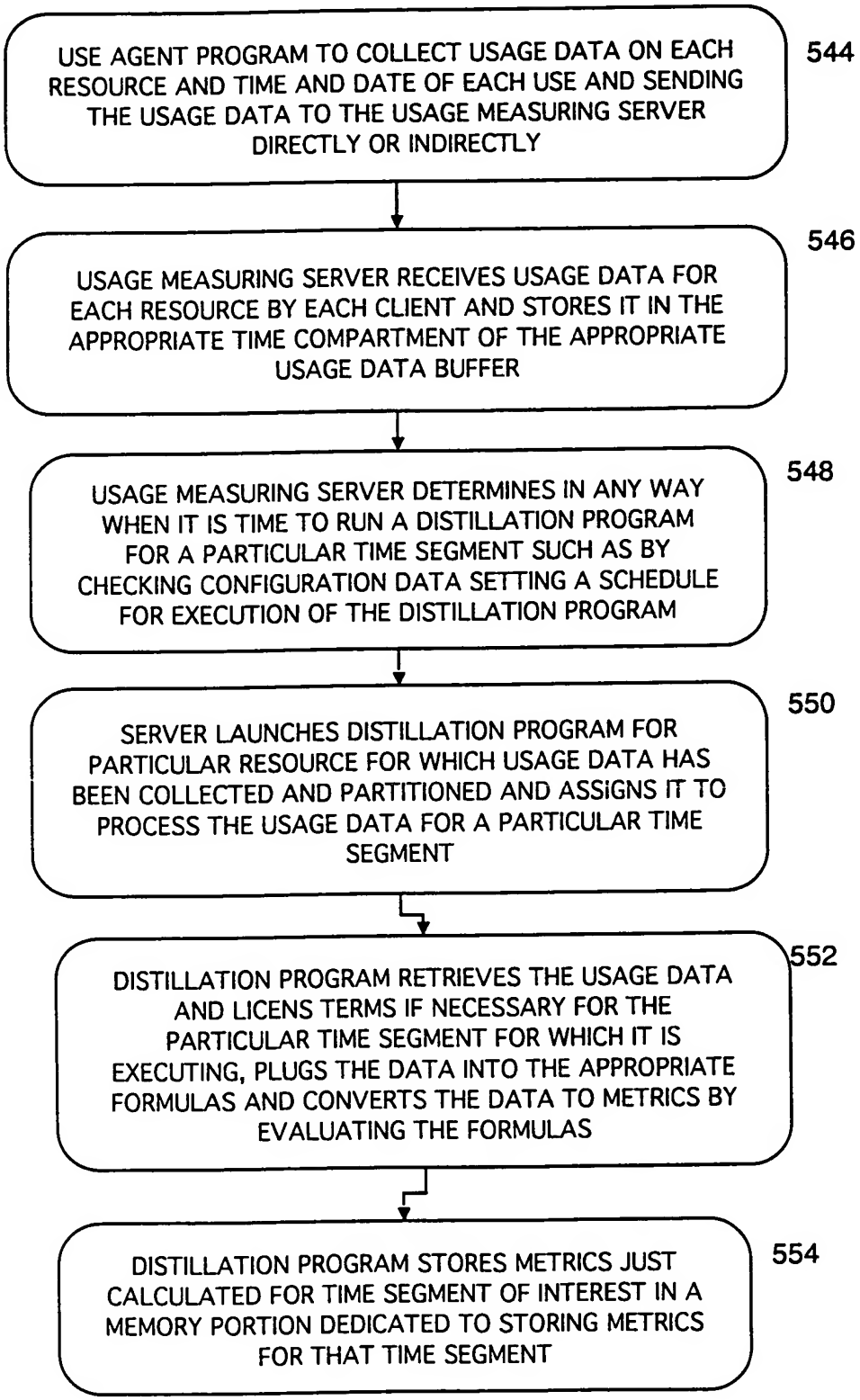


FIG. 16

EXHIBIT 1008, Page 54 of 55

ROLLUP A ID 39

	MON	TUES	WED	...
M1 = CPU	10	1	0	...
M2 = DOCS	500	50	0	...
M3 = # PGS	759	71	0	...
	⋮	⋮	⋮	

FIG. 17

ALTERNATIVE ROLLUP B ID 40

MON	TUES	WED
0	3	2
0	70	40
0	139	96

FIG. 18

PREFERRED ROLLUP B ID 50

MON	TUES	WED	
10	4	2	
500	120	40	
759	210	96	

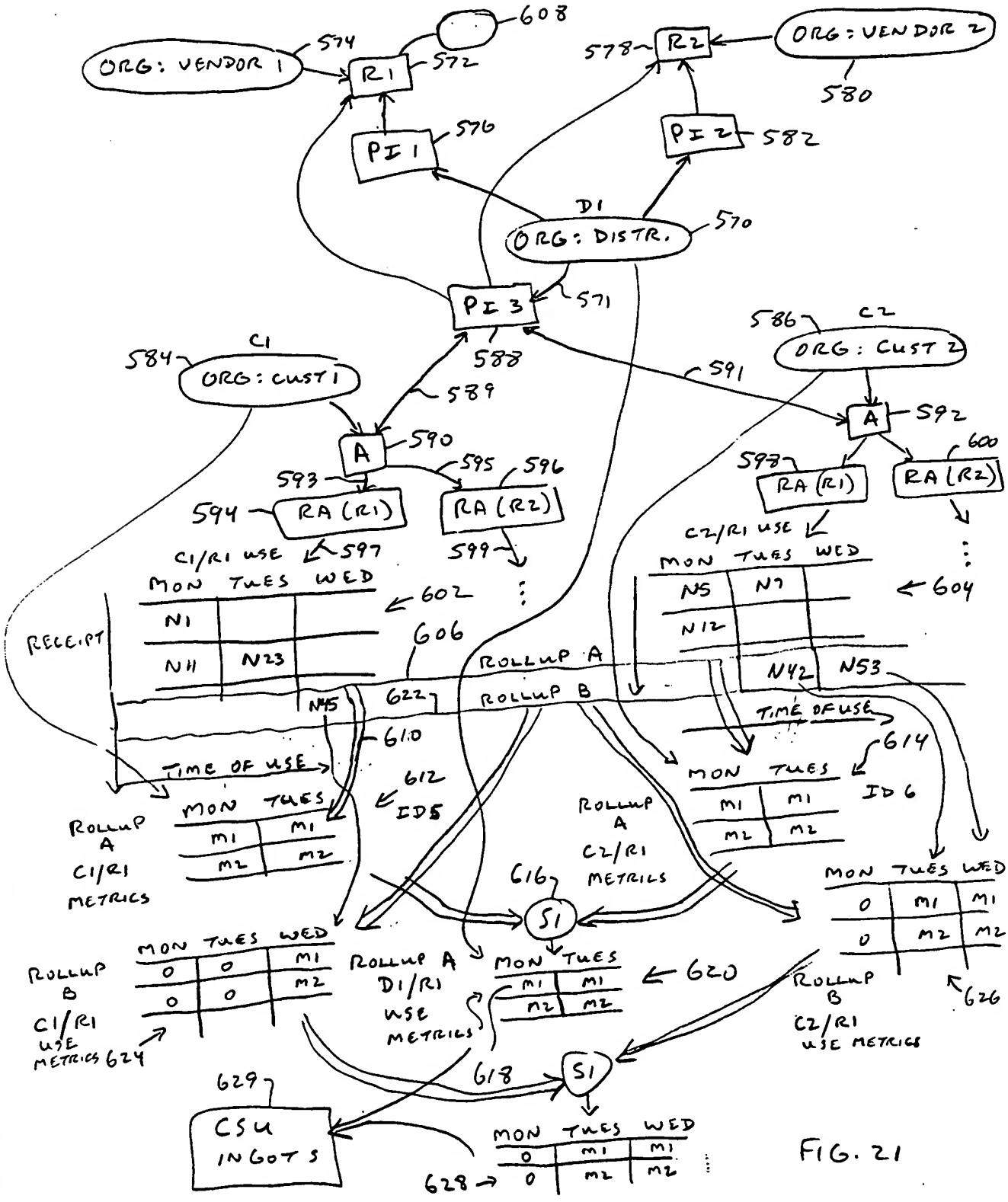
FIG. 19

ALTERNATIVE ROLLUP B ID 40

MON	TUES	WED
0	4	2
0	120	40
0	210	96

FIG. 20

10015 PGS / FILED


ORG: VENDOR 1
574
608
R1
572
578
R2
ORG: VENDOR 2
580
PI 1
576
PI 2
582
D1
ORG: DISTR.
570
PI 3
571
588
589
591
584
C1
ORG: CUST 1
586
C2
ORG: CUST 2
A
590
A
592
593
595
596
597
598
600
RA (R1)
RA (R2)
RA (R1)
RA (R2)
C1/R1 USE
C2/R1 USE
MON TUES WED
N1
N11
N23
602
N5
N7
N12
N42
N53
604
RECEIPT
606
ROLLUP A
ROLLUP B
622
610
TIME OF USE
612
ID 5
614
ID 6
ROLLUP A C1/R1 METRICS
ROLLUP A C2/R1 METRICS
C16
S1
ROLLUP B C1/R1 USE METRICS 624
ROLLUP A D1/R1 USE METRICS
620
ROLLUP B C2/R1 USE METRICS
626
618
S1
629
CSH INGOTS
628
FIG. 21

PROCESS FOR ONE PROTOCOL ACCESS TO USAGE/METRIC/CSU DATA FOR ALL LICENSEES OF A LICENSOR FROM A USAGE MEASURING SERVER

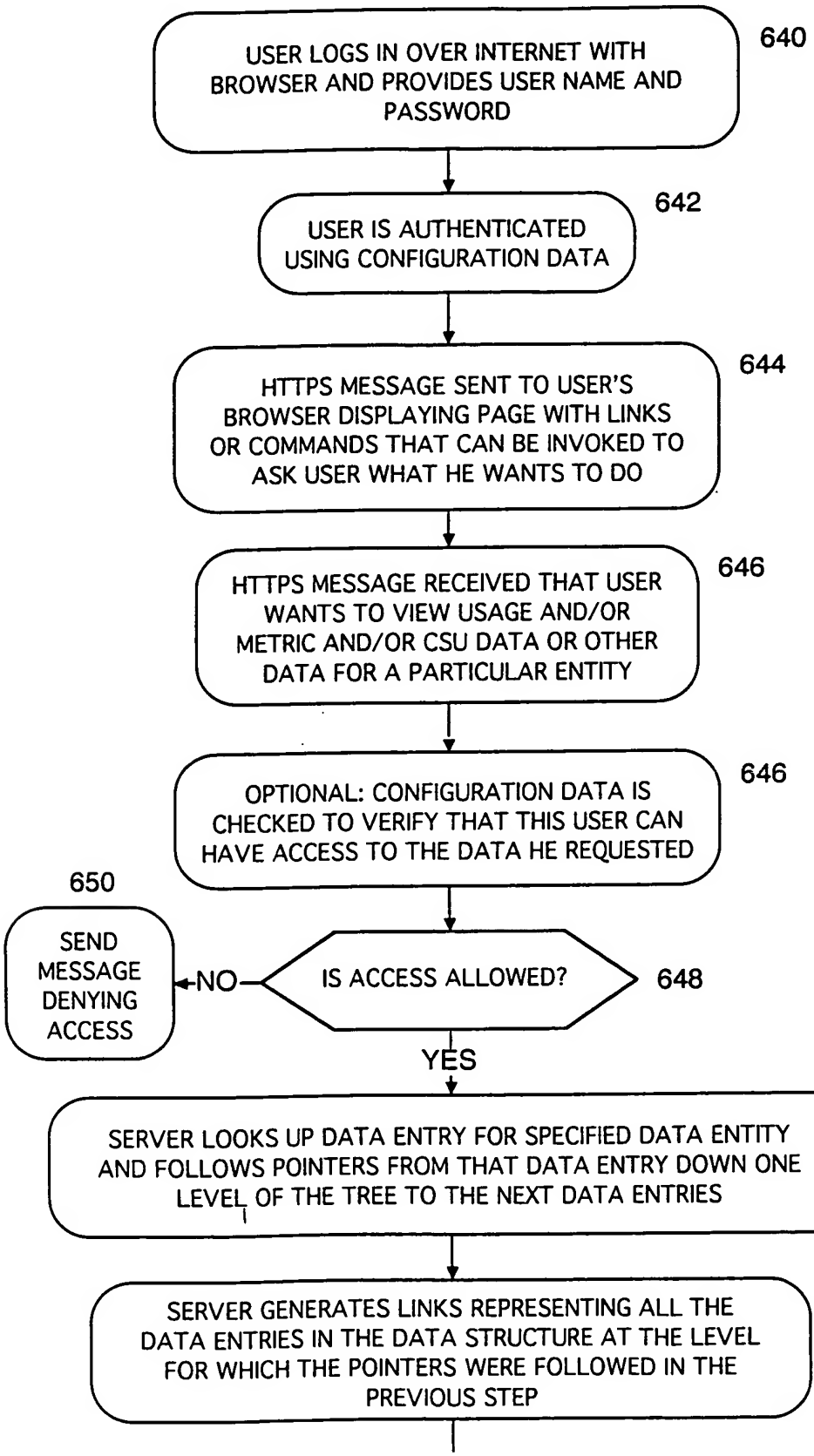


FIG. 22A

10025657.1

10025552.1010101

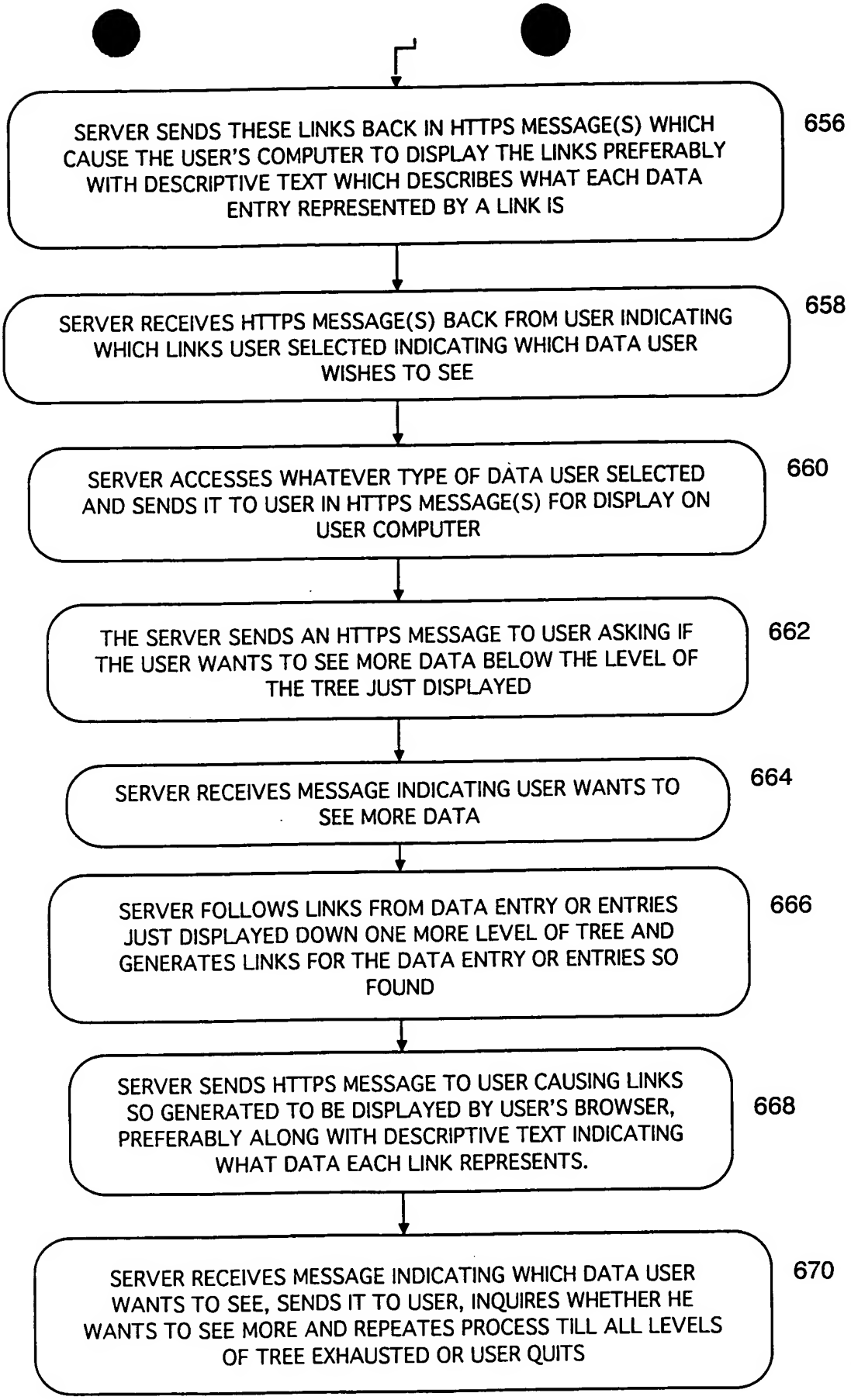
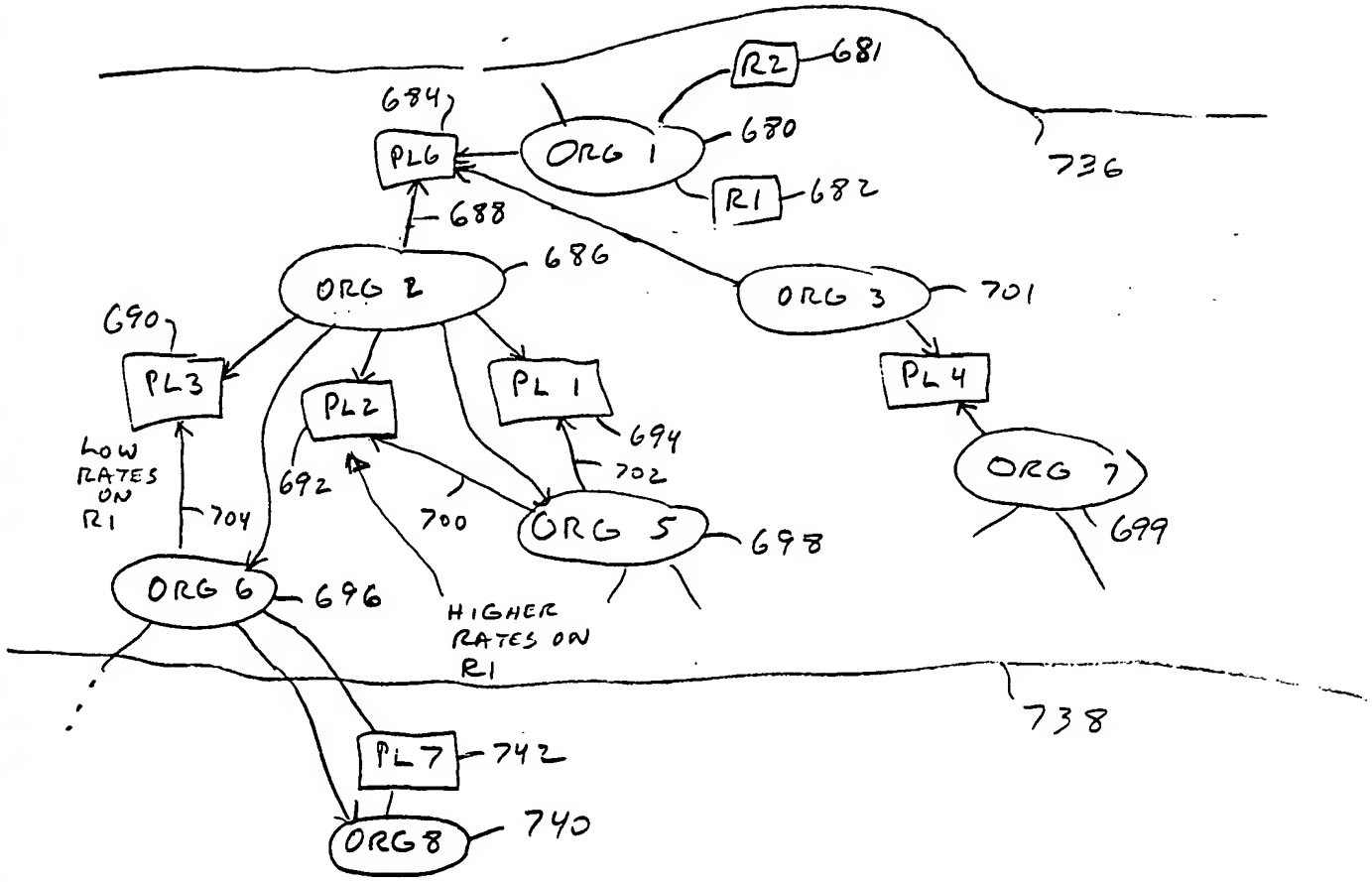


FIG. 22B



SECURITY BARRIERS

FIG. 23

A PROCESS TO IMPLEMENT SECURITY BARRIERS TO PREVENT USERS FROM VIEWING DATA IN A USAGE MEASURING SERVER DATA STRUCTURE THAT THE USER IS NOT AUTHORIZED TO VIEW

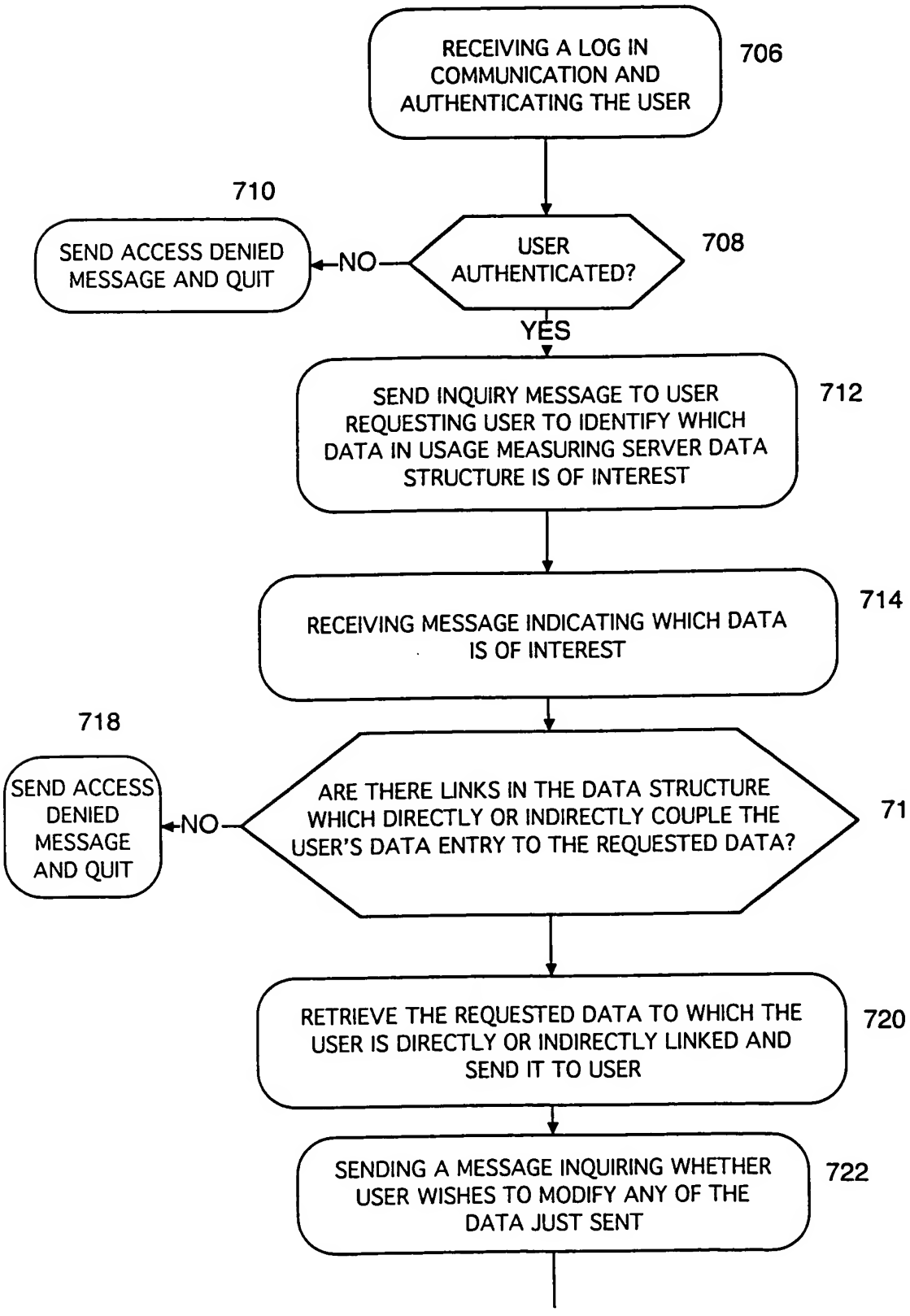


FIG. 24A

10005597 - 4040404

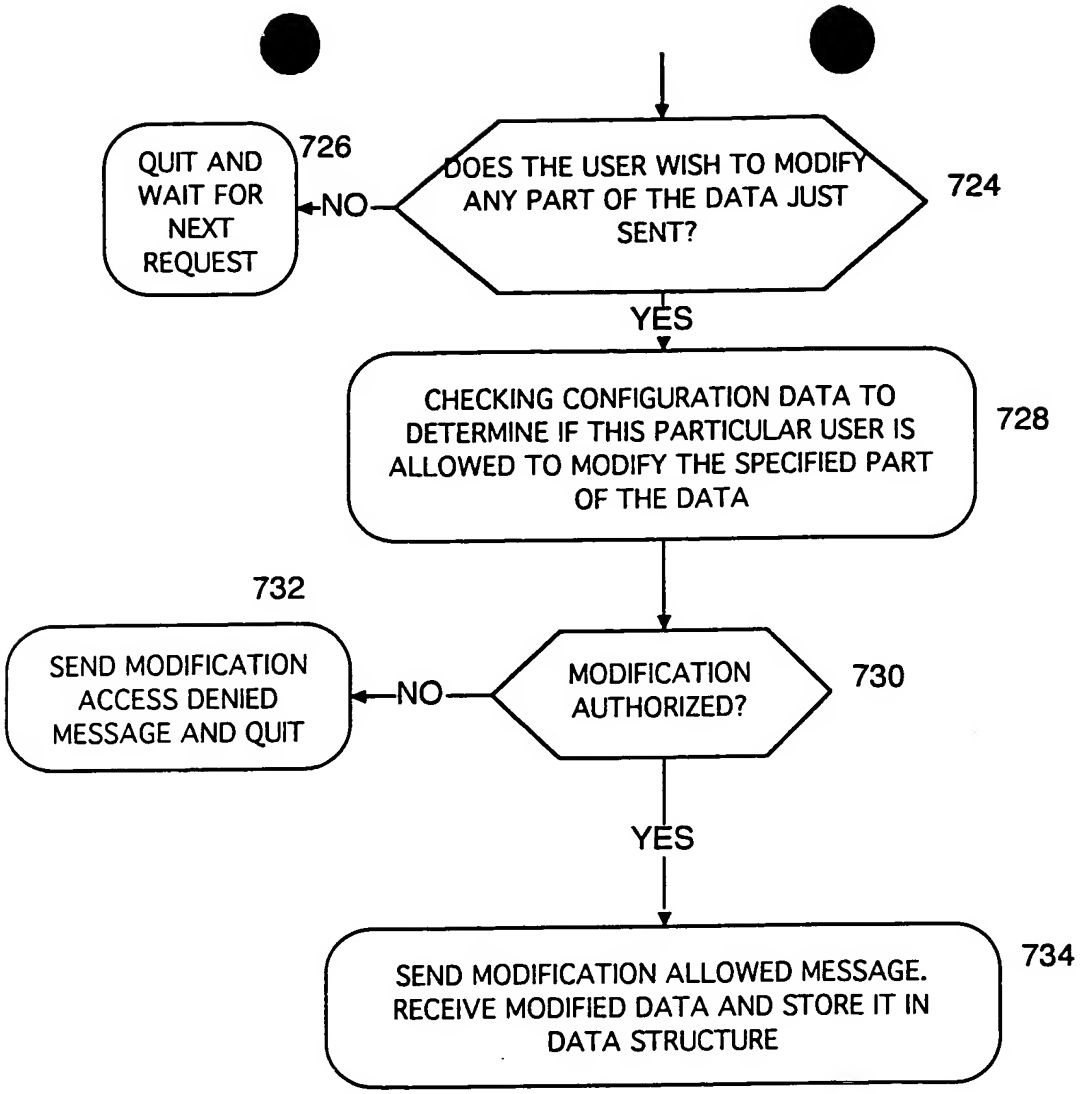


FIG. 24B

4005955 - 4104104

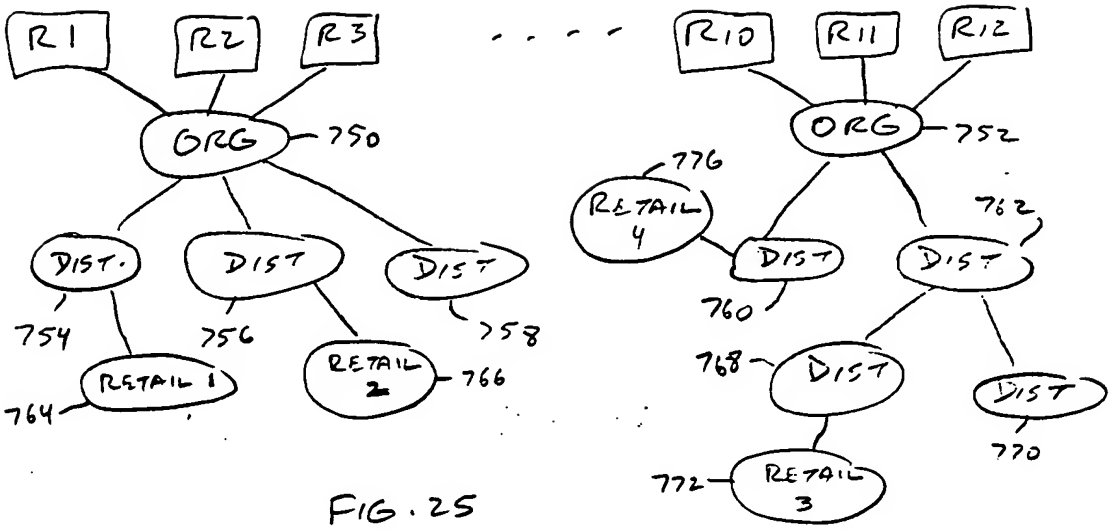

R1
R2
R3
R10
R11
R12
ORG
750
ORG
752
776
RETAIL 4
762
DIST.
DIST
DIST
DIST
DIST
754
756
758
760
RETAIL 1
RETAIL 2
766
768
DIST
DIST
764
770
772
RETAIL 3

FIG. 25

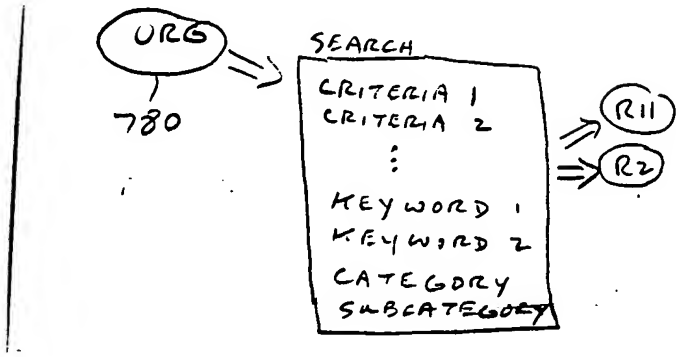

ORG
780
SEARCH
CRITERIA 1
CRITERIA 2
KEYWORD 1
KEYWORD 2
CATEGORY
SUBCATEGORY
R11
R2

FIG. 26

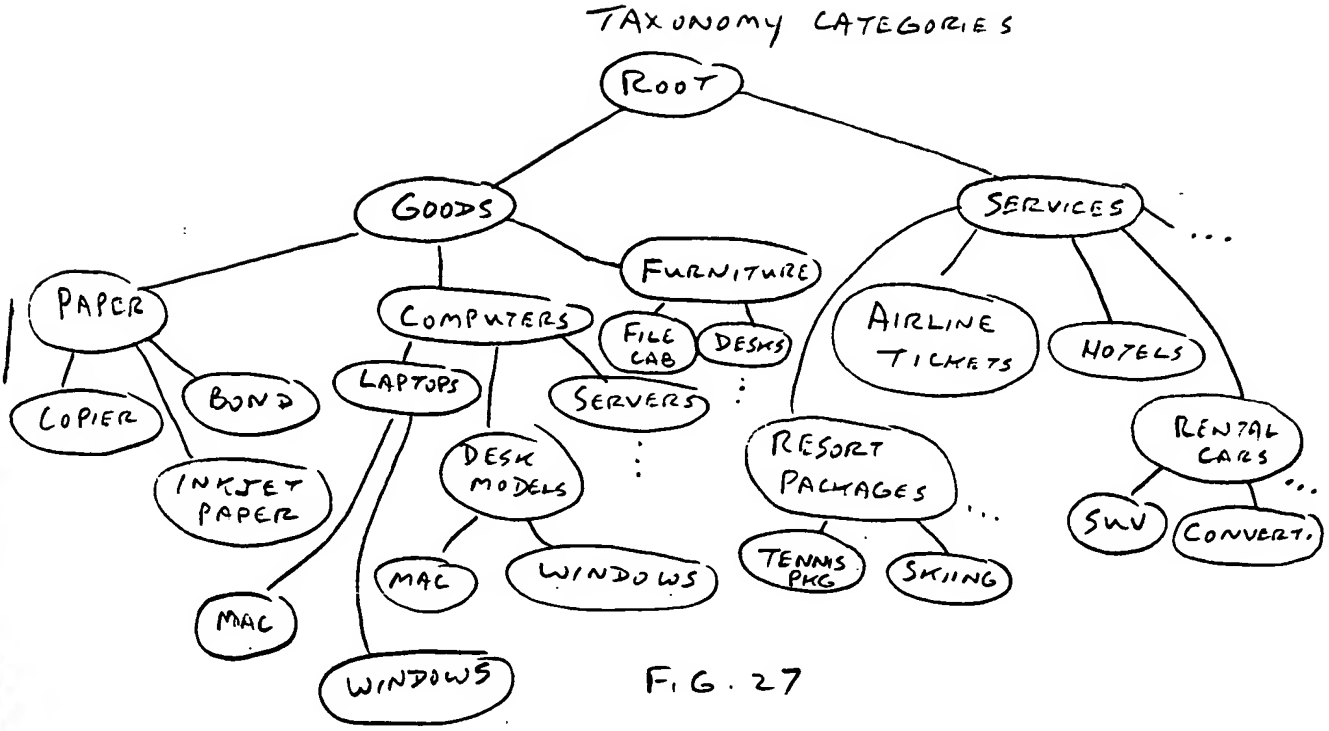

TAXONOMY CATEGORIES
ROOT
GOODS
SERVICES
...
PAPER
COMPUTERS
FURNITURE
AIRLINE TICKETS
HOTELS
COPIER
BOND
INKJET PAPER
LAPTOPS
DESK MODELS
SERVERS
FILE CAB
DESKS
RESORT PACKAGES
RENTAL CARS
SUV
CONVERT.
TENNIS PKG
SKIING
MAC
WINDOWS
MAC
WINDOWS

FIG. 27

SERVER PROCESSING TO IMPLEMENT ONE-STOP SHOPPING SEARCHING OF THE DATA STRUCTURE BASED UPON USER-DEFINED CRITERIA

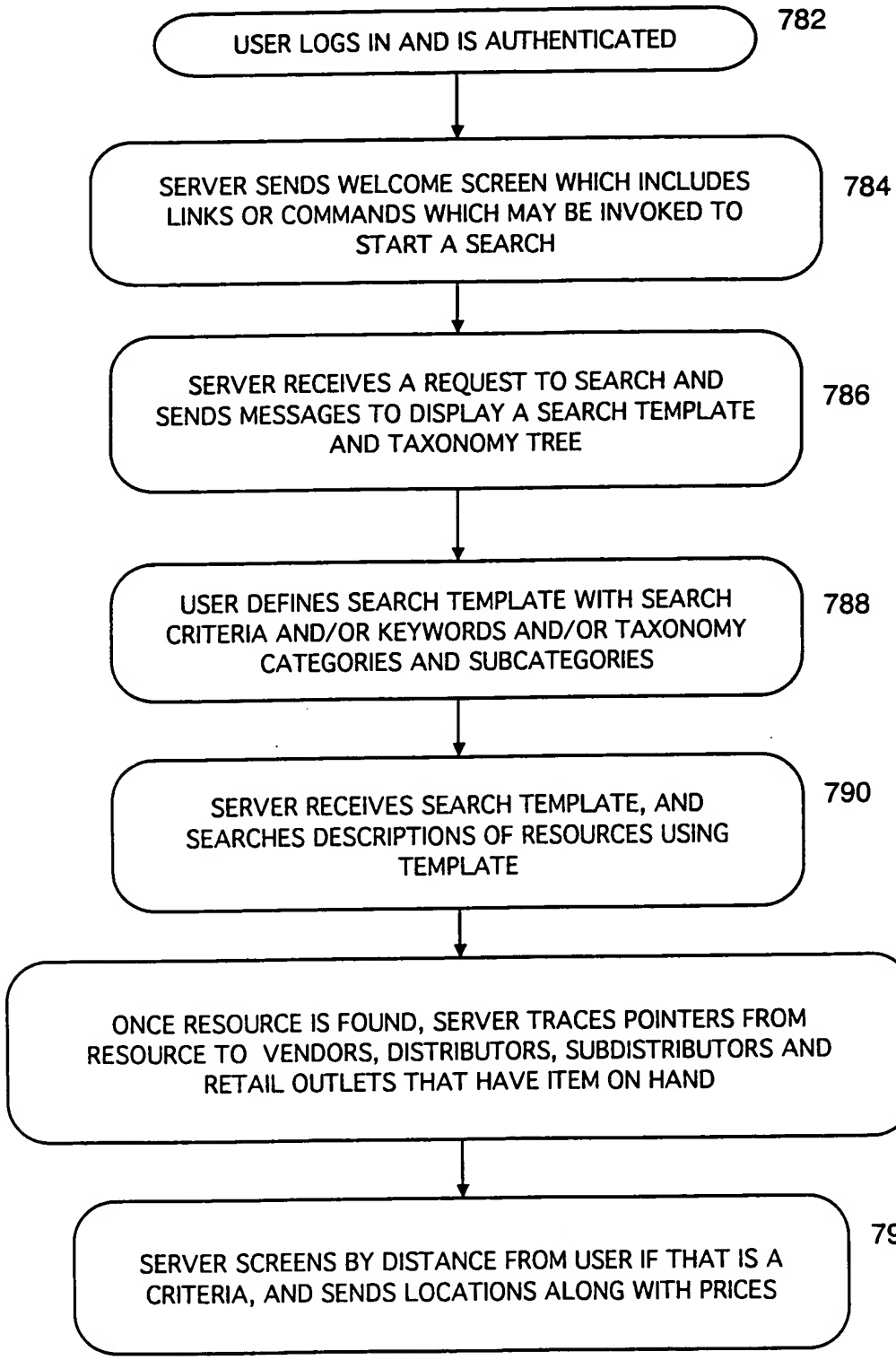


FIG. 28

10025574.1040401